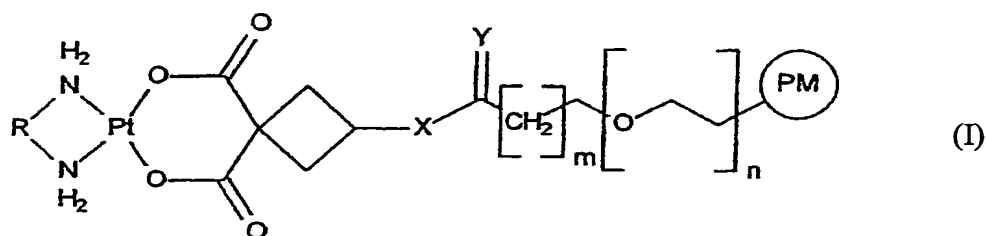
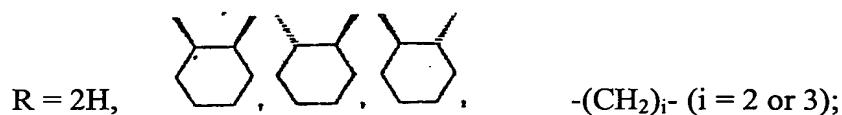


Claims

1. Platinum complex of the general formula I:



in which



X = O or NH;

Y = O, S or 2 H;

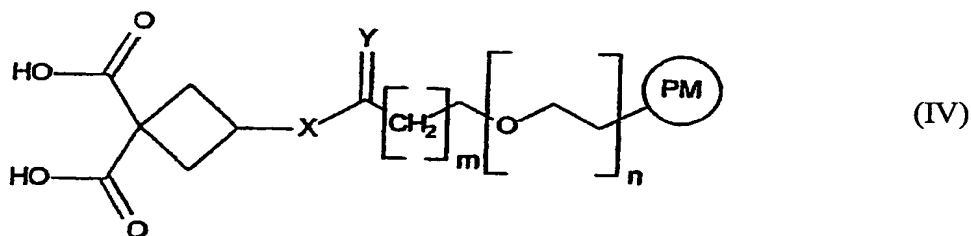
m = 0 to 5;

n = 0 to 6;

PM denotes a protein-binding group.

2. Platinum complex as claimed in claim 1,
characterized in that
PM is a maleinimide group, a 2-dithiopyridyl group, a halogen acetamide group, a halogen acetate group, a disulfide group, an acrylic acid ester group, a monoalkylmaleic acid ester group, a monoalkylmaleamic acid amide group, an N-hydroxysuccinimidyl ester group, an isothiocyanate group or an aziridine group which can be optionally substituted.
3. Platinum complex as claimed in claim 2,
characterized in that
PM is a maleinimide group which can be optionally substituted.

4. Platinum complex as claimed in claim 3,
characterized in that
 $m < 2$ and $n = 1$ to 4.
5. Platinum complex as claimed in claim 4,
characterized in that
 $X = O$ and $Y = O$.
6. Process for producing platinum complexes as claimed in one of the previous
claims,
characterized in that
a cyclobutane-1,1-dicarboxylic acid derivative of the general formula IV



in which

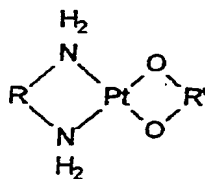
$X = O$ or NH

$Y = O, S$ or $2 H$

$m = 0$ to 5

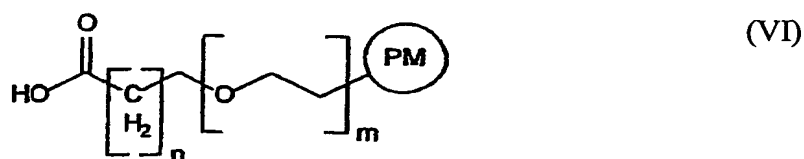
$n = 0$ to 6

and PM denotes a protein-binding group, is reacted with a platinum complex
of the general formula V



(V)

the cyclobutane-1,1-dicarboxylic acid derivative of the general formula VII is obtained by reacting bis(4-methoxybenzyl)-3-hydroxycyclobutane-1,1-dicarboxylate with a heterobifunctional cross-linker of the general formula VI



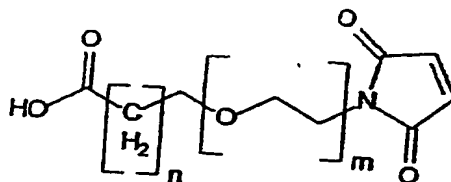
in which

$n = 0, 1$

$m = 1 \text{ to } 6$

and PM denotes a protein-binding group, in the presence of carboxylic acid activation reagents.

9. Process as claimed in claim 8,
characterized in that
N,N'-dicyclohexylcarbodiimide, *N,N'*-diisopropylcarbodiimide or (benzotriazole-1-yloxy)tris(dimethylamino)phosphonium hexafluorophosphate and most preferably 2-chloro-1-methylpyridinium iodide are used as carboxylic acid activation reagents.
10. Process as claimed in claim 8 or 9,
characterized in that
bis(4-methoxybenzyl)-3-hydroxycyclobutane-1,1-dicarboxylate is reacted with a maleinimidocarboxylic acid of the general formula VIa



(VIa)

in which

$n = 0, 1$

$m = 1 \text{ to } 6$

using 2-chloro-1-methylpyridinium iodide.

11. Process as claimed in claim 8,
characterized in that
bis(4-methoxybenzyl)-3-hydroxycyclobutane-1,1-dicarboxylate is obtained
by reacting bis(4-methoxybenzyl)-3-*tert.*-butyldimethylsiloxycyclobutane-
1,1-dicarboxylate with tetrabutylammonium fluoride.

12. Process as claimed in claim 11,
c h a r a c t e r i z e d i n t h a t
bis(4-methoxybenzyl)-3-*tert.*-butyldimethylsiloxycyclobutane-1,1-
dicarboxylate is obtained by reacting bis(4-methoxybenzyl)malonate with
1,3-dibromo-2-*tert.*-butyldimethylsiloxypropane.
13. Pharmaceutical preparation containing a platinum complex according to any
one of the claims 1 to 5 as an active ingredient, optionally together with
common auxiliary substances and/or pharmaceutical solvents.
14. Use of a platinum complex as claimed in any one of the claims 1 to 5 for the
treatment of cancer diseases.
15. Process for producing a pharmaceutical preparation for treating cancer
diseases,
c h a r a c t e r i z e d i n t h a t
a compound as claimed in any one of the claims 1 to 5 is transferred into a
therapeutically acceptable solution.